

Mainstay Si

GROWING BEYOND WITH REDOX

GUARANTEED ANALYSIS

Calcium (Ca)..... 10%
Also contains non-plant food ingredient
Silicon Dioxide (SiO₂) 22%

HOW DOES IT WORK?

Mainstay Si strengthens cell walls and reduces environmental oxidative stress.

WHAT IS MAINSTAY SI?

Mainstay Si is a reacted plant nutrient high in calcium and silicon.

KEY PRODUCT BENEFITS

1. Highly plant available calcium.
2. Highly plant available silicon.

MOST EFFECTIVE USE

SOIL APPLICATIONS

Apply through all controlled irrigation systems at a rate of 0.25 to 5 gallons per acre per application. Apply directly to the soil and water in at a rate of 0.25 to 5 gallons per acre.

FOLIAR APPLICATIONS

Apply at a rate of 0.125 to 1 gallon per acre. Rate is dependent on crop requirements and water volume.

Frequency and quantity of applications depend upon specific crop requirements.

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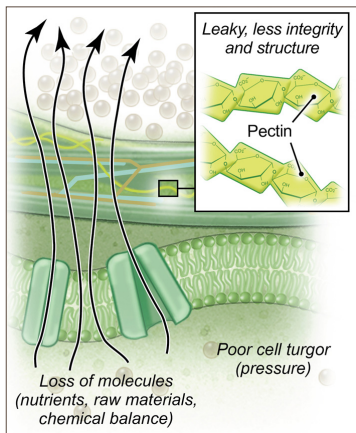
RELEVANT TERMS

CALCIUM NUTRITION - Critical to proper cell wall strength.

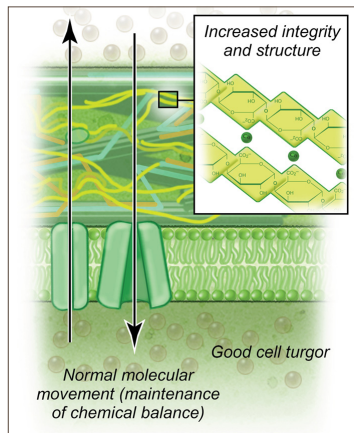
ENVIRONMENTAL OXIDATIVE STRESS - The accumulation of oxygen-free radicals in plants. Excess oxygen-free radicals cause premature cell degradation.

SILICON NUTRITION - Research indicates that increased silicon levels in plants can improve cell wall integrity and reduce oxidative stress.

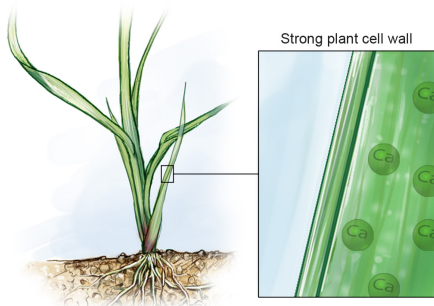
WEAK CELL STRUCTURE: PLANT IS SUSCEPTIBLE TO STRESS



STRONG CELL STRUCTURE: PLANT IS MORE RESISTANT TO STRESS



CELLS ARE THE BASIC STRUCTURAL, FUNCTIONAL & BIOLOGICAL UNIT IN PLANTS.



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